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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/980,655	04/23/2002	Kari Hasanen	9926.1019	4257
21831	7590	05/17/2006	EXAMINER	
WOLF BLOCK SCHORR AND SOLIS-COHEN LLP 250 PARK AVENUE NEW YORK, NY 10177			KOYAMA, KUMIKO C	
			ART UNIT	PAPER NUMBER
			2876	

DATE MAILED: 05/17/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/980,655

Applicant(s)

HASANEN ET AL.

Examiner

Kumiko C. Koyama

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 03 March 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-7 and 9 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-7 and 9 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 26 October 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
  - 2) ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                    | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date. _____ | 6) <input type="checkbox"/> Other: _____  |

### DETAILED ACTION

Amendment received on March 03, 2006 has been acknowledged.

#### *Claim Rejections - 35 USC § 103*

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-7 and 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Allonen (US 5,379,652) in view of Takagi et al (JP Hei 5-317935).

Re claims 1 and 5: Allonen teaches a method for measuring the nip force and/or the nip pressure in a nip formed by a revolving roll in the manufacture of paper by utilizing a series of measurement detectors (col 1, lines 5-10). Allonen discloses that detectors are placed in operative relationship with a surface of the first press member (roll) in an axial direction thereof, and the detectors detecting a force in a nip formed in part by the first press member (roll) and generating a signal based thereon (col 10, lines 23-27). Allonen also discloses that a buffer memory 25b in which the measurement data obtained from the detectors 20 can be collected and the buffer memory is connected via an RS323 bus to a transmitter/receiver 27 having a transmitter/receiver antenna (col 6, lines 45-51 and col 6, lines 50-57). Such disclosures teach monitoring and storing properties and ambient conditions of a roll of a machine. Allonen also discloses that the signal of each measurement detector is passed to a telemeter transmitter placed

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in connection with the revolving roll and the telemetric message is transmitted by the telemeter transmitted wirelessly and is received by a telemeter receiver placed outside the revolving roll and connected to the PC (col 1, lines 17-25 and col 4, lines 54-64). Such disclosure teaches transmitting the stored changes to a separate data processing system. As described above, Allonen teaches that the measurement data obtained from the detectors are collected in the buffer memory, and such disclosure teaches arranging in the roll, a memory which accompanies the roll when the roll is a functional part of the machine, in which memory unit is written and read electrically. Allonen further teaches that the invention is to provide a new and improved system of measurement for use in a paper machine roll and which can be controlled in a simple way from outside the revolving roll so that, in the system, measurement data and calibration data can be fed from outside the roll into the measurement system and measurement data can be transferred from the roll wirelessly to an outside system (col 3, lines 40-52). The outside system is preferably provided with various processing and computing programs for the measurement data (col 3, lines 40-52). Such disclosure teaches storing in the memory unit at least those properties of the roll which effect on control values of the machine, and the storing taking place in connection with a servicing of the roll in question before the roll is taken to be stored for later use as a function part of the machine. The above disclosure also teaches transmitting the stored changes in the memory unit to the control unit of the machine or separate data processing system, which is used for serving data to the control unit. Since the measurement data collected is the nip force and/or nip pressure in the nip of the roll, Allonen teaches that the memory unit accompanies the roll concerning the operations carried out during the servicing of the roll.

Allonen fails to teach storing taking place in connection with a manufacture or servicing of the roll in question before the roll is taken for installation into the machine or taken to be stored for later use as a functional part of the machine.

Takagi discloses to eliminate an inconvenience based on an artificial mistake when an operator inputs a specification of roll after it is repaired and ground in an automatic input system for a roll specification and to perform rolling which is safe, high in reliability and fitted to the specification of the roll (See English Abstract). Takagi further discloses that means to read a roll diameter, a roll roughness and a roll mark, means to read directly before the roll is integrated into a mill stand and the automatic input device of the roll specification which stores the diameter, roughness, and roll mark outputs corresponding to read data (See English Abstract).

Therefore, it would have been obvious to an artisan of ordinary skill in the art at the time the invention was made to integrate the teachings of Takagi to teachings of Allonen and store the properties of the roll before the roll is taken for installation in order to eliminate an inconvenience based on an artificial mistake when an operator inputs a specification of roll after it is repaired and ground in an automatic input system for a roll specification and to perform rolling which is safe, high in reliability and fitted to the specification of the roll.

Re claims 2 and 6: The measurement amplifier unit 29, which includes the processor 25 (col 6, lines 45-56), is a control unit and the PC 44 is the separate data processing system (col 6, lines 55-68 and Fig. 4). The measurement data is transmitted and received between the measurement amplifier unit 29 and the PC 44 using the wireless telemetric connection (col 6, lines 55-68). Allonen further teaches that the invention is to provide a new and improved system of measurement for use in a paper machine roll and which can be controlled in a simple way

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from outside the revolving roll so that, in the system, measurement data and calibration data can be fed from outside the roll into the measurement system and measurement data can be transferred from the roll wirelessly to an outside system (col 3, lines 40-52). The outside system is preferably provided with various processing and computing programs for the measurement data (col 3, lines 40-52).

Re claims 3 and 7: Allonen teaches detectors 20i, which are sensors for observing the state of the roll and its ambient conditions, and a buffer memory in which the measurement data obtained from the detectors 20i can be collected (col 6, lines 45-52).

Re claims 4 and 9: Allonen further teaches that the detectors 20i are calibrated at regular intervals. The calibration program can be started either automatically at certain intervals or by the operator manually by the intermedicate of the keyboard of the PC 44 (col 8, lines 38-50).

### ***Response to Arguments***

3. Applicant's arguments with respect to claims 1-7 and 9 have been considered but are moot in view of the new ground(s) of rejection.

Applicant's arguments regarding Allonen fails to teach "storing properties before the roll is installed in the machine" is persuasive. However, arguments are moot in view of the new grounds of rejection. Therefore, this action is Non-Final.


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*Conclusion*

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kumiko C. Koyama whose telephone number is 571-272-2394. The examiner can normally be reached on Monday-Friday 8am-4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G. Lee can be reached on 571-272-2398. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Kumiko C. Koyama  
May 15, 2006

  
STEVEN S. PAIK  
PRIMARY EXAMINER